

Amendments to the Claims:

A clean version of the entire set of pending claims, including amendments to the claims, is submitted herewith per 37 CFR 1.121(c)(3). This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A mixing system for mixing a plurality of digital audio signals, at least one of which is a noise-shaped oversampled digital audio signal having a predetermined sampling frequency and bit resolution, said system comprising:

a summing unit having a plurality of input terminals each for receiving a respective one of said plurality of digital audio signals, for computing a sum signal of said plurality of ~~input-digital~~ audio signals;

a clipping unit having an input for receiving said sum signal, said clipping unit clipping said sum signal;

a filter unit between the input terminals and the clipping unit, arranged to selectively suppress frequency components outside an audio frequency band from the sum signal; and

a converter unit arranged to receive a clipped sum signal from the clipping unit and to convert said clipped sum signal into an output signal of said bit resolution, using noise-shaping, the clipping unit being arranged to limit the input values to a range of values that the converter is able to handle in a stable manner.

2. (Currently Amended) A mixing system as claimed in claim 1, characterized in that said filter unit is comprised in an input channel and filters said ~~input-digital~~ audio signals in order to limit an audio bandwidth of said ~~input-digital~~ audio signals.

3. (Currently Amended) A mixing system as claimed in claim 1, characterized ~~in that said first and second~~ wherein sampling frequencies of the digital audio signals and the output signal are equal in magnitude.

4. (Currently Amended) A mixing system as claimed in claim 1, characterized ~~in that~~ wherein said input digital audio signals and/or and said output signals ~~signal~~ are of a DSD-format.

5. (Previously Presented) A mixing system as claimed in claim 1, characterized in that said convertor unit comprises a Sigma-Delta Modulator.

6. (Original) A mixing system as claimed in claim 5, characterized in that the clipped signal is maximized to a clip level compliant with said Sigma-Delta Modulator.

7. (Original) A mixing system as claimed in claim 6, characterized in that said signal output is maximized to -3dB as compared to the amplitude output of the Sigma-Delta Modulator.

8. (Currently Amended) A mixing system as claimed in claim 1, characterized ~~in that said input channel comprises a further comprising one or more down-sampling unit~~ units for down-sampling said input signal digital audio signals before the digital audio signals are applied to the summing unit.

9. (Currently Amended) A mixing system as claimed in claim 1, characterized ~~in that said~~ wherein said convertor unit comprises an up-sampling unit.

10. (Previously Presented) A mixing system as claimed in claim 1, characterized in that the clipping unit is of a soft clipping type.

11. (Currently Amended) A method of mixing a plurality of noise-shaped oversampled digital audio signals having a predetermined sampling frequency and bit resolution, the method comprising ~~the steps of~~:

receiving a respective one of said plurality of digital audio signals;
computing a sum signal of said plurality of input-digital audio signals;
selectively suppressing frequency components outside an audio frequency band in at least one of the input-digital audio signals and/or the sum signal;
clipping said sum signal; and
converting said clipped sum signal into an output signal of said bit resolution, using noise-shaping, the clipping unit being arranged to limit the input-values of the sum signal to a range of values that the converter is able to handle in a stable manner.

12. (Currently Amended) A method as claimed in claim 11, characterized in ~~that~~wherein the method further comprises the step of limiting an audio bandwidth of said input-digital audio signals.

13. (Currently Amended) A method as claimed in claim 11, characterized in ~~that~~12, wherein the steps of ~~filtering~~ selectively suppressing frequency components ~~comprised in said mixed signal originating from said bit resolution~~ outside an audio frequency band in at least one of the digital audio signals and the sum signal, and limiting an audio bandwidth of said input signals, are combined in a single stage.

14. (Previously Presented) An audio system comprising a mixing system as claimed in claim 1 for mixing a plurality of noise-shaped oversampled digital audio signals having a predetermined sampling frequency and bit resolution.

15. (New) The mixing system of claim 2, wherein sampling frequencies of the digital audio signals and the output signal are equal in magnitude.

16. (New) The mixing system of claim 2, wherein said digital audio signals and said output signal are of a DSD-format.

17. (New) The mixing system of claim 3, wherein said digital audio signals and said output signal are of a DSD-format.

18. (New) The mixing system of claim 2, wherein said convertor unit comprises a Sigma-Delta Modulator.

19. (New) The mixing system of claim 3, wherein said convertor unit comprises a Sigma-Delta Modulator.

20. (New) The mixing system of claim 4, wherein said convertor unit comprises a Sigma-Delta Modulator.